

Date: Monday, 02/03/2009 11:27:13 AM  
 User: Julie Dawson

## Process Sheet

Customer : CU-DAR001 Dart Helicopters Services Drawing Name : DART 5-MAN 3-POINT FWD FACING SHOULDER  
 Job Number : 46211 HARNESS KIT  
 Estimate Number : 12866  
 P.O. Number : Part Number : D412702043B  
 This Issue : 02/03/2009 S.O. No. : Drawing Number : IIN D412-702 REV E  
 Prsht Rev. : NC Project Number : N/A  
 First Issue : / / Type : SMALL /MED FAB Drawing Revision : E  
 Previous Run : 45865 Material :  
 Written By : Due Date : 06/03/2009 Qty: 1 Um: Each  
 Checked & Approved By : JUL 09.03.02  
 Comment : est rev A 07.05.10 new issue EC  
 est rev C 07.06.20 changed AN44 4A to AN444A EC  
 Est Rev:D 07-07-06 As per Rev E JLM  
 Est Rev:E 08-03-31 now at chg003 ECN1150 DD verified by:

## Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description :

1.0

DC

DOCUMENT CONTROL



*JUL 09/03/06*



Comment: DOCUMENT CONTROL

Photocopy bluefile &amp; type labels per PPP D412-702-043B CHG003

*5 09/03/06*

2.0

D412702059

Grommet



*CHG001*



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

GROMMET KIT

batch: *45410*

*88 09/03/06*

3.0

D412702101B

Harness Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: *46290*

*9/3/10*

*SP*

4.0

D412702103B

Harness Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: *46291*

*9/3/10*

*SP*

5.0

D412702105B

Harness Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: *46292*

*9/3/10*

*SP*  
*(1x)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Monday, 02/03/2009 11:27:13 AM  
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## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS  
KIT

Job Number: 46211

Part Number: D412702043B

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

D412702107B

Harness Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: 46293

9/3/10

SP

7.0

D412702109B

Harness Assembly



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

HARNESS ASSEMBLY

batch: 46550

PC 9/3/10 (1)

8.0

D35421

Bracket



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

BRACKET

batch: 44816

SS 09/03/06 (x1)

9.0

D35711

Guide



Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s)

GUIDE

batch: 40222

SS 09/03/06 (x1)

10.0

D35713

Guide



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

GUIDE

batch: 40531

SS 09/03/06 (x1)

11.0

D3578041

Doubler



Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s)

DOUBLER

batch: 43347

SS 09/03/06 (x1)

12.0

D3610041

Bracket



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

BRACKET

batch: B40589

SS 09/03/06 (x1)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS  
KIT

Job Number: 46211

Part Number: D412702043B

Job Number:



Seq. #:

Machine Or Operation:

Description :

13.0

D36181

CAP



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

CAP

batch: 3124 832426

14.0

AN410A

Bolt



Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s)

Bolt

batch: 107178

15.0

AN444A

Bolt



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

bolt

batch: 104806

16.0

MS24693S274

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

Screw

batch: M108560

17.0

MS24694S56

SCREW



Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s)

SCREW

batch: M104407

18.0

MS24694S58

Screw



Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s)

Screw

batch: M104407

19.0

MS24694S60

Screw



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

Screw

batch: M104407

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DART 5-MAN 3-POINT FWD FACING SHOULDER HARNESS  
KIT

Job Number: 46211

Part Number: D412702043B

Job Number:



Seq. #:

Machine Or Operation:

Description :

20.0

AN960JD416

Washer



Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s)

Washer

batch: M110523

21.0

AN960JD416L

Washer



Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s)

Washer

batch: M11053

22.0

MS21042L4

Nut



Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s)

Nut

batch: M109282

23.0

CR321244 -

Cherry Rivet



Comment: Qty.: 12.0000 Each(s)/Unit Total: 12.0000 Each(s)

Cherry Rivet

batch: M111127

24.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

25.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-702-043B CHG003

Location: C

PPP Rev: C

26.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
X					D412-702-041B	Dart 13-Man 3-Point Shoulder Harness Kit
	X				D412-702-043B	Dart 5-Man 3-Point Forward Facing Shoulder Harness Kit
		X			D412-702-045B	Dart 4-Man 3-Point Aft Facing Shoulder Harness Kit
			X		D412-702-047B	Dart 4-Man 3-Point Side Facing Shoulder Harness Kit
				X	D412-702-049B	Dart 1-Man 3-Point Forward Shoulder Harness Kit
1	1		1	1	D412-702-059	GROMMET KIT
2	1		1		D412-702-101B	HARNESS ASSEMBLY
1*	1*		1*		D3573-7	ADAPTER
1*	1*		1*		D3579-046	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
2	1		1		D412-702-103B	HARNESS ASSEMBLY
1*	1*		1*		D3573-8	ADAPTER
1*	1*		1*		D3579-045	SHOULDER HARNESS
1*	1*		1*		K6.2	CLIP
4*	4*		4*		MS24693S272	SCREW
4*	4*		4*		AN960JD10LL	WASHER
4*	4*		4*		MS21042L3	NUT
1	1			1	D412-702-105B	HARNESS ASSEMBLY
1*	1*			1*	D3573-1	ADAPTER
1*	1*			1*	D3579-046	SHOULDER HARNESS
1*	1*			1*	K6.2	CLIP
4*	4*			4*	MS24693S273	SCREW
4*	4*			4*	AN960JD10LL	WASHER
4*	4*			4*	MS21042L3	NUT
1	1				D412-702-107B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-046	SHOULDER HARNESS
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT
1	1				D412-702-109B	HARNESS ASSEMBLY
1*	1*				D3573-3	ADAPTER
1*	1*				D3579-045	SHOULDER HARNESS
1*	1*				K6.2	CLIP
4*	4*				MS24693S272	SCREW
4*	4*				AN960JD10LL	WASHER
4*	4*				MS21042L3	NUT

\*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

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WORK ORDER  
NO. 40211

QTY -041B	QTY -043B	QTY -045B	QTY -047B	QTY -049B	Part Number	Description
2		2			D412-702-111B	HARNESS ASSEMBLY
1*		1*			D3570-1	BRACKET
1*		1*			D3579-047	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
2		2			D412-702-113B	HARNESS ASSEMBLY
1*		1*			D3570-2	BRACKET
1*		1*			D3579-048	SHOULDER HARNESS
4*		4*			MS24694S50	SCREW
4*		4*			AN960JD10L	WASHER
4*		4*			MS21042L3	NUT
1			1		D412-702-115B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-046	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
1			1		D412-702-117B	HARNESS ASSEMBLY
1*			1*		D3573-5	ADAPTER
1*			1*		D3579-045	SHOULDER HARNESS
1*			1*		K6.2	CLIP
4*			4*		MS24693S272	SCREW
4*			4*		AN960JD10LL	WASHER
4*			4*		MS21042L3	NUT
2	2				D3542-1	BRACKET
7	3		4	1	D3571-1	GUIDE
2	2				D3571-3	GUIDE
2		2			D3572-041	GUIDE ASSEMBLY
12	6		6	2	D3578-041	DOUBLER
2	2				D3610-041	BRACKET
2	2				D3618-1	CAP
4	4				AN4-10A	BOLT
2		2			AN4-16A	BOLT
4		4			AN4-25A	BOLT
2	2				AN4-44A	BOLT
2	2				MS24693S274	SCREW
3	3			1	MS24694S56	SCREW
10	2		8		MS24694S58	SCREW
1	1			1	MS24694S60	SCREW
26	6	20			AN960JD416	WASHER
4	4				AN960JD416L	WASHER
12	6	6			MS21042L4	NUT
24	12		12	4	CR3212-4-4	RIVET

\*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

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NO. 46210

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Revision: E  
Date: 07.06.27